

WORLD TRADE CENTER  
CONTRACT NO. 3

ENGINEERING DEPARTMENT  
DESIGN DIVISION  
WORLD TRADE CENTER  
ELECTRICAL ENGINEER

1 8/23/99 AS/ED Approved

ENGINEERING DEPARTMENT  
DESIGN DIVISION

WORLD  
TRADE  
CENTER

ELECTRICAL

Title  
FIRE ALARM SYSTEM  
DEVICE UPGRADE  
PHASE III  
1 WORLD TRADE CENTER  
CONTRACT NO. 3  
89th FLOOR  
STROBE  
INSTALLATION PLAN

This drawing subject to conditions in Contract. All  
inventions, ideas, designs and methods herein are  
reserved to Port Authority and may not be used  
without its written consent.

S. FELDSTEIN N. APOSTLE A.S.  
Designed by Drawn by Checked by

AUGUST 9, 1999  
Date

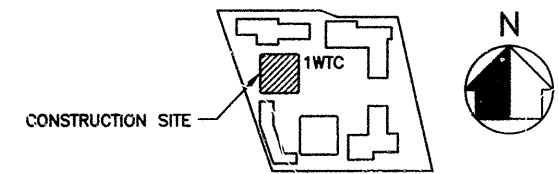
WTC-881.176 E-089-4  
Contract Number Drawing Number

NOTES

1. FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES, SEE DWG. E-1.  
FOR INSTALLATION DETAILS, SEE DWG. E-2. FOR WIRING DIAGRAMS,  
SEE DWG. E-3.
2. REPLACE EXISTING STROBE WITH THE SHOWN CANDELA RATED STROBE,  
AND REMIRE AS SHOWN. EXISTING BACKBOX AND CONDUIT STUB CAN  
BE UTILIZED IF IT IS SIMILAR TO THE TYPICAL STROBE OR COMBINATION  
BOX. SEE INSTALLATION DETAIL "B" ON DWG. E-2.
3. NOT USED
4. SINCE FIRE ALARM CIRCUIT LENGTH IS CRITICAL, ROUTING AND  
INSTALLATION OF ALL FIRE ALARM CIRCUITS SHALL BE AS SHOWN  
ON DRAWING.
5. DISCONNECT AND ABANDON EXISTING STROBE CIRCUITS IN CEILING.  
TAPE ENDS OF ABANDONED CONDUCTORS AND TAG AS ABANDONED.  
THIS WORK SHALL BE DONE IN THE PRESENCE OF THE ENGINEER.

STROBE CIRCUIT/LOADING TABLE

STROBE TYPE AND RATING	TYPE	15cd	30cd	75cd	110cd	CURRENT PER CIRCUIT (AMPS.)	CIRCUIT LENGTH (FT.)
QUANTITY OF STROBES PER CIRCUIT	STR-A	8	2	1	0	0.869	427
	STR-B	4	3	3	0	1.047	493
	STR-C	12	2	0	0	0.956	458
	STR-D	8	1	3	0	1.099	356
	STR-E	9	2	0	0	0.767	372
	STR-F	12	2	0	0	0.956	461
	GRAND TOTAL	5.694					2567



KEY PLAN

0 12 24  
SCALE IN FEET

